Robert E Hynds

List of Publications by Year
in descending order

61 papers	6,121 citations	218677 26 h-index	214800 47 g-index
77 all docs	77 docs citations	77 times ranked	11878 citing authors

#	Article	IF	Citations
1	Phylogenetic ctDNA analysis depicts early-stage lung cancer evolution. Nature, 2017, 545, 446-451.	27.8	1,287
2	Allele-Specific HLA Loss and Immune Escape in Lung Cancer Evolution. Cell, 2017, 171, 1259-1271.e11.	28.9	968
3	Neoantigen-directed immune escape in lung cancer evolution. Nature, 2019, 567, 479-485.	27.8	639
4	Fc Effector Function Contributes to the Activity of Human Anti-CTLA-4 Antibodies. Cancer Cell, 2018, 33, 649-663.e4.	16.8	448
5	Tobacco smoking and somatic mutations in human bronchial epithelium. Nature, 2020, 578, 266-272.	27.8	336
6	Fc-Optimized Anti-CD25 Depletes Tumor-Infiltrating Regulatory T Cells and Synergizes with PD-1 Blockade to Eradicate Established Tumors. Immunity, 2017, 46, 577-586.	14.3	323
7	Geospatial immune variability illuminates differential evolution of lung adenocarcinoma. Nature Medicine, 2020, 26, 1054-1062.	30.7	181
8	Deciphering the genomic, epigenomic, and transcriptomic landscapes of pre-invasive lung cancer lesions. Nature Medicine, 2019, 25, 517-525.	30.7	178
9	Rapid Expansion of Human Epithelial Stem Cells Suitable for Airway Tissue Engineering. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 156-168.	5.6	169
10	Interplay between whole-genome doubling and the accumulation of deleterious alterations in cancer evolution. Nature Genetics, 2020, 52, 283-293.	21.4	168
11	The mTORC1/4E-BP1 axis represents a critical signaling node during fibrogenesis. Nature Communications, 2019, 10, 6.	12.8	159
12	Concise Review: The Relevance of Human Stem Cell-Derived Organoid Models for Epithelial Translational Medicine. Stem Cells, 2013, 31, 417-422.	3.2	111
13	Targeting EGFR signalling in chronic lung disease: therapeutic challenges and opportunities. European Respiratory Journal, 2014, 44, 513-522.	6.7	99
14	Tracheal Replacement Therapy with a Stem Cell-Seeded Graft: Lessons from Compassionate Use Application of a GMP-Compliant Tissue-Engineered Medicine. Stem Cells Translational Medicine, 2017, 6, 1458-1464.	3.3	81
15	AMBRA1 regulates cyclin D to guard S-phase entry and genomic integrity. Nature, 2021, 592, 799-803.	27.8	78
16	Induction of APOBEC3 Exacerbates DNA Replication Stress and Chromosomal Instability in Early Breast and Lung Cancer Evolution. Cancer Discovery, 2021, 11, 2456-2473.	9.4	74
17	Vacuum-assisted decellularization: an accelerated protocol to generate tissue-engineered human tracheal scaffolds. Biomaterials, 2017, 124, 95-105.	11.4	70
18	Divergent cellular pathways of hippocampal memory consolidation and reconsolidation. Hippocampus, 2013, 23, 233-244.	1.9	61

#	Article	IF	Citations
19	Immune Surveillance in Clinical Regression of Preinvasive Squamous Cell Lung Cancer. Cancer Discovery, 2020, 10, 1489-1499.	9.4	60
20	Regenerating human epithelia with cultured stem cells: feeder cells, organoids and beyond. EMBO Molecular Medicine, 2018, 10, 139-150.	6.9	58
21	Surface modification of a POSS-nanocomposite material to enhance cellular integration of a synthetic bioscaffold. Biomaterials, 2016, 83, 283-293.	11.4	54
22	SHOC2 phosphatase-dependent RAF dimerization mediates resistance to MEK inhibition in RAS-mutant cancers. Nature Communications, 2019, 10, 2532.	12.8	53
23	Representative Sequencing: Unbiased Sampling of Solid Tumor Tissue. Cell Reports, 2020, 31, 107550.	6.4	51
24	The secret lives of cancer cell lines. DMM Disease Models and Mechanisms, 2018, 11, .	2.4	46
25	Expansion of Human Airway Basal Stem Cells and Their Differentiation as 3D Tracheospheres. Methods in Molecular Biology, 2016, 1576, 43-53.	0.9	34
26	A comparison of tracheal scaffold strategies for pediatric transplantation in a rabbit model. Laryngoscope, 2017, 127, E449-E457.	2.0	31
27	Autologous Cell Seeding in Tracheal Tissue Engineering. Current Stem Cell Reports, 2017, 3, 279-289.	1.6	30
28	Progress towards non-small-cell lung cancer models that represent clinical evolutionary trajectories. Open Biology, 2021, 11, 200247.	3.6	28
29	Bioengineered airway epithelial grafts with mucociliary function based on collagen IV- and laminin-containing extracellular matrix scaffolds. European Respiratory Journal, 2020, 55, 1901200.	6.7	28
30	Optimized isolation and expansion of human airway epithelial basal cells from endobronchial biopsy samples. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e313-e317.	2.7	25
31	Transcriptome analysis of IPF fibroblastic foci identifies key pathways involved in fibrogenesis. Thorax, 2021, 76, 73-82.	5.6	25
32	Ciliated Epithelial Cell Differentiation at Air-Liquid Interface Using Commercially Available Culture Media. Methods in Molecular Biology, 2019, 2109, 275-291.	0.9	24
33	Monitoring neovascularization and integration of decellularized human scaffolds using photoacoustic imaging. Photoacoustics, 2019, 13, 76-84.	7.8	21
34	Expansion of airway basal epithelial cells from primary human nonâ€small cell lung cancer tumors. International Journal of Cancer, 2018, 143, 160-166.	5.1	18
35	Using a Three-Dimensional Collagen Matrix to Deliver Respiratory Progenitor Cells to Decellularized Trachea In Vivo. Tissue Engineering - Part C: Methods, 2019, 25, 93-102.	2.1	18
36	Airway Basal Cell Heterogeneity and Lung Squamous Cell Carcinoma. Cancer Prevention Research, 2017, 10, 491-493.	1.5	16

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37	Higher throughput drug screening for rare respiratory diseases: Readthrough therapy in primary ciliary dyskinesia. European Respiratory Journal, 2021, 58, 2000455.	6.7	13
38	Cross-talk between human airway epithelial cells and 3T3-J2 feeder cells involves partial activation of human MET by murine HGF. PLoS ONE, 2018, 13, e0197129.	2.5	11
39	Airway tissue engineering for congenital laryngotracheal disease. Seminars in Pediatric Surgery, 2016, 25, 186-190.	1.1	10
40	Stem Cellâ€“derived Respiratory Epithelial Cell Cultures as Human Disease Models. American Journal of Respiratory Cell and Molecular Biology, 2021, 64, 657-668.	2.9	7
41	Non-Invasive Longitudinal Bioluminescence Imaging of Human Mesoangioblasts in Bioengineered Esophagi. Tissue Engineering - Part C: Methods, 2019, 25, 103-113.	2.1	6
42	Co-culture-expanded human basal epithelial stem cells for application in tracheal tissue engineering. Lancet, The, 2016, 387, S23.	13.7	5
43	Use of a decellularised dermis scaffold and human bronchial epithelial cells to tissue engineer airway mucosa suitable for tracheal transplantation. Lancet, The, 2017, 389, S43.	13.7	2
44	National Heart, Lung, and Blood Institute and Building Respiratory Epithelium and Tissue for Health (BREATH) Consortium Workshop Report: Moving Forward in Lung Regeneration. American Journal of Respiratory Cell and Molecular Biology, 2021, 65, 22-29.	2.9	2
45	Stem cells and lung cancer. , 2021, , 340-352.		1
46	Lung Regeneration. , 2014, , 707-717.		0
47	S111 Methods To Isolate Basal Cells From The Respiratory Epithelium. Thorax, 2014, 69, A59-A59.	5.6	0
48	S9â€…The role of LRIG1-dependent EGFR signalling in airway homoeostasis and squamous cell lung cancer development. Thorax, 2016, 71, A7.3-A8.	5.6	0
49	Use of a collagen I scaffold with embedded respiratory fibroblasts and Rho kinase inhibitor to tissue-engineer airway mucosa. Lancet, The, 2016, 387, S49.	13.7	0
50	Role of LRIG1-dependent EGFR signalling on pathway inhibition in airway homoeostasis and lung cancer development. Lancet, The, 2016, 387, S95.	13.7	0
51	Preserved Ciliary Defects in Airway Epithelia Derived from Primary Ciliary Dyskinesia Basal Cells Expanded in 3T3-J2 Co-Culture. , 2019, , .		0
52	In Vitro Analysis of Genomic Heterogeneity in Pre-Invasive Lung Cancer. , 2019, , .		0
53	Tobacco Exposure and Somatic Mutations in Normal Human Bronchial Epithelium. , 2020, , .		0
54	Use of Simulation to Visualize Healthcare Worker Exposure to Aerosol in the Operating Room. Simulation in Healthcare, 2022, 17, 66-67.	1.2	0

#	Article	IF	Citations
55	Postnatal Lung Epithelial Stem Cells. , 2022, , 67-72.		0
56	Stem Cells of the Distal Bronchiolar Airways. Pancreatic Islet Biology, 2015, , 113-126.	0.3	0
57	LSC Abstract â€“ Human bronchial epithelial cell migration is dependent on the RhoA effector protein Rho-associated kinase. , 2016, , .		0
58	Cell intrinsic and environmental factors influencing human bronchial epithelial cell migration. , 2016, , .		0
59	Role of the TGFÃŸ1-mTOR axis in fibroblast-directed alveolar epithelial regeneration in IPF. , 2019, , .		0
60	Abstract 2342: Tobacco exposure and somatic mutations in normal bronchial epithelia. , 2020, , .		0
61	LSC - 2021 - Effect of mTOR inhibition in a 3D in vitro model of alveolar epithelium and epithelial regeneration. , 2021, , .		0